

Total No. of Questions : 10]

SEAT No. :

P3001

[Total No. of Pages : 2

[5669]-593

T.E. (Information Technology)

SOFTWARE ENGINEERING AND PROJECT MANAGEMENT

(2015 Pattern)

Time : 2½ Hours]

[Max. Marks : 70

Instructions to the candidates:

- 1) Answers Question 1 or 2, 3 or 4, 5 or 6, 7 or 8 and 9 or 10.
- 2) Neat diagrams must be drawn wherever necessary.
- 3) Figures to the right indicate full marks.
- 4) Assume suitable data, if necessary.

- Q1)** a) What is Software Engineering? Explain characteristics of Software. [6]
b) What are different process in project time management? [4]

OR

- Q2)** a) What are the characteristics that requirement must meet? [6]
b) Explain four major sections of project management plan. [4]

- Q3)** a) Discuss the software myths and realities in customer perspective. [6]
b) What is activity diagram? Illustrate it with some suitable example. [4]

OR

- Q4)** a) What is SQA? How SQA plan helps in achieving quality? [6]
b) What is Use-case diagram? Illustrate it with some suitable example. [4]

- Q5)** a) What is Agility? What is relation of agility and cost of change? [8]
b) What is pair programming? What is role of pair programming in XP? [8]

OR

- Q6)** a) Explain SCRUM with the help of diagram. [8]
b) Compare Exploratory testing and scripted testing. [8]

P.T.O.

Q7) a) What is risk mitigation, risk monitoring and risk management? Explain in brief. [8]

b) Compare Software Quality Assurance and Software Quality Control. [8]

OR

Q8) a) Explain different statistical tools used for quality control. [8]

b) What are the risks associated with software projects? How does project management manage such risk? [8]

Q9) a) What is Customer Relationship Management? Explain its benefits. [8]

b) What is configuration management repository? Discuss role and features of SCM repository. Explain basic elements of SCM. [10]

OR

Q10) a) What is meant by business process reengineering? Explain its principles. [8]

b) What is goal of clean room testing? Discuss in brief statistical use testing. How do we clarify Component in clean room testing? [10]